



Ningbo Qixin Solar Electrical Appliance Co., Ltd

No.37, Jingang Road, Binhai Industrial Park, Xiangshan County, Ningbo, China, 315700
www.nbqxsolar.com



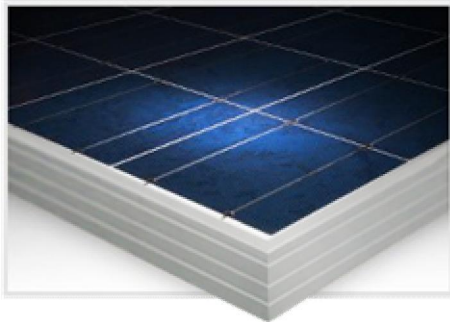
Model (SL230-250TU-30P) Specifications

Electrical Data

Maximum Power(W)	230	235	240	245	250
Optimum Power Voltage(Vmp)	30.36	30.60	30.72	30.85	31.02
Optimum Operating Current(Imp)	7.58	7.68	7.81	7.94	8.06
Open Circuit Voltage(Voc)	36.42	36.54	36.60	36.91	36.99
Short Circuit Current(Isc)	8.11	8.22	8.36	8.50	8.62
Cell Efficiency (%)	16.07	16.42	16.77	17.11	17.46
Module Efficiency (%)	14.17	14.47	14.78	15.09	15.40
Tolerance Wattage(%)	0 ~+3%				
NOCT	47°C +/-2°C				

Temperature Coefficients

Temperature Coefficients of Isc(%)	+0.04
Temperature Coefficients of Voc(%)	-0.35
Temperature Coefficients of Pm(%)	-0.45
Temperature Coefficients of Im(%)	+0.04
Temperature Coefficients of Vm(%)	-0.35



Components & Mechanical Data

Solar Cell	156*156 Poly
Number of Cell(pcs)	6*10
Size of Module(mm)	1640*990*40
Front Glass Thikness(mm)	3.2
Surface Maximum Load Capacity	2400-5400Pa
Allowable Hail Load	23m/s ,7.53g
Weight Per Piece(KG)	18.6
Junction Box Type	Pass the TUV Certificate
Bypass Diode Rating(A)	12
Cable & Connector Type	Pass the TUV Certificate
Frame(Material Corners,etc.)	40#
Backing (Brand Type)	TPT
Temperature Range	-40°C to +85°C
FF (%)	70-76%
Standard Test Conditions	AM1.5 1000W/m ² 25 +/-2°C

Benefits



Modules sorted by current, optimizing system power generation



High Efficiency



Stable Power

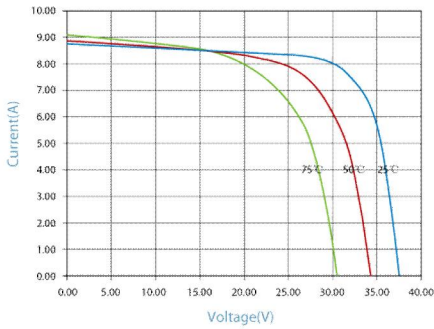


Low Carbon Emission

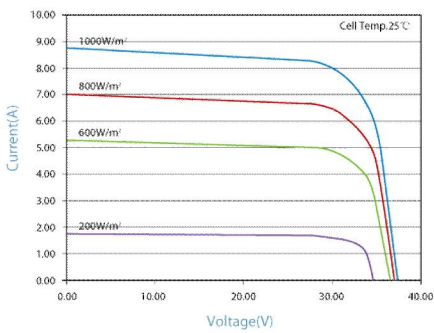


Excellent Weather Resistance

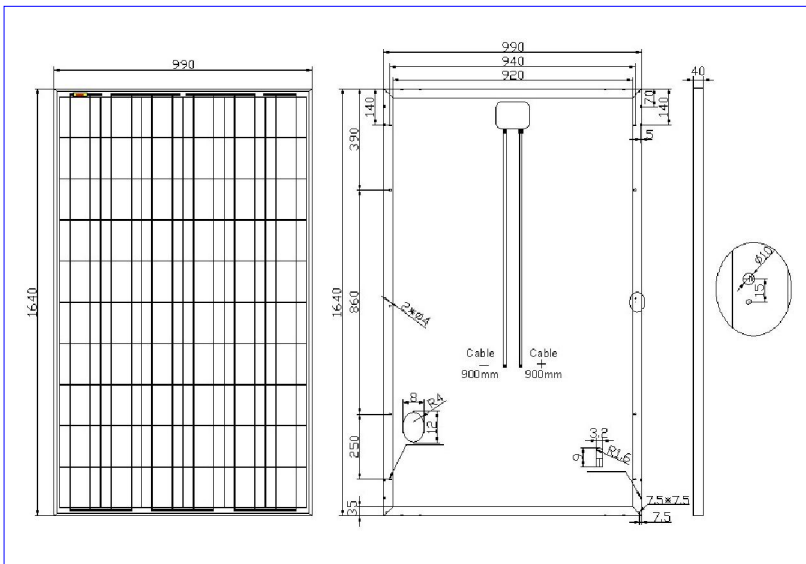
IV-Curves



IV-CURVES of PV module
SL230-250TU-30P



Engineering Drawings



- Manufacturing facility certified to **ISO 9001 / ISO 14001 / OHSAS 18001** quality management system standards.



Warranty & Certifications

Warranty	25 years limited power warranty
	10 years limited product warranty
Certifications	IEC 61215, IEC 61730

Packing

Packing	Wooden Box
1*20'	14Pallets/332pcs
1*40'HQ	28Pallets/840pcs

Applications

- On-grid residential roof-tops
- On-grid commercial/industrial roof-tops
- Solar power stations
- Other on-grid applications



Project Picture

Ningbo Qixin Solar Electrical Appliance Co., Ltd

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